

09/743,873

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L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
AN 2000:68360 CAPLUS
DN 132:127703
TI Water-soluble geldanamycin derivatives and methods for their production
and cancer treatment
IN Ho, David K.; Mandler, Raya; Alvarado-Lindner, Ada Belinda; Upadhyay,
Kaye B. Dillah; Newman, David J.
PA United States Dept. of Health and Human Services, USA
SO PCT Int. Appl., 60 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000003737	A2	20000127	WO 1999-US16199	19990715
	WO 2000003737	A3	20000420		
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 9951091	A1	20000207	AU 1999-51091	19990715
	EP 1098666	A2	20010516	EP 1999-935659	19990715
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	JP 2002520369	T2	20020709	JP 2000-559871	19990715
PRAI	US 1998-93284P	P	19980717		
	WO 1999-US16199	W	19990715		

AB The present invention provides water-sol. drugs, in particular, water-sol. analogs of geldanamycin, and compns. comprising the same. This invention also provides a method of rendering water-insol. drugs sol. in water through derivatization with a bifunctional linking mol. and subsequent conjugation to a polar moiety through a thio ether. The present invention further provides a method of treating cancer in a mammal. Thus, 17-GMB-aminopropylaminogeldanamycin (prepn. given) was reacted with L-cysteine to give 17-cys-GMB-aminopropylaminogeldanamycin which was water sol. Growth inhibitory efficacy of sol. geldanamycin derivs. against cancer cells is shown.

IT 256337-11-8P
RL: PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(water-sol. geldanamycin derivs. and methods for their prodn. and cancer treatment)

RN 256337-11-8 CAPLUS

CN Geldanamycin,

17-[[[3-[[4-[3-[[[(2R)-2-amino-2-carboxyethyl]thio]-2,5-dioxo-1-pyrrolidinyl]-1-oxobutyl]amino]propyl]amino]-17-demethoxy- (9CI) (CA

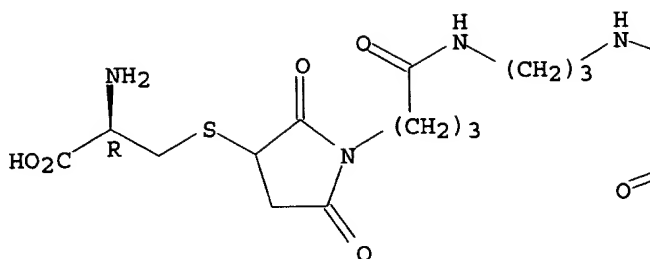
540/461
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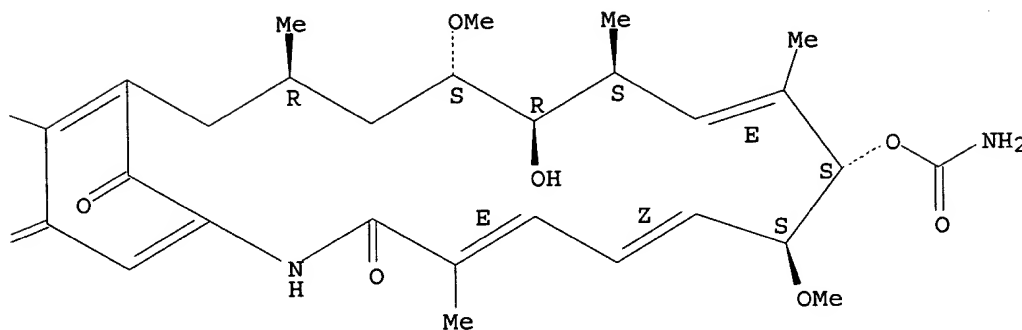
INDEX NAME)

Absolute stereochemistry.
Double bond geometry as described by E or Z.

PAGE 1-A

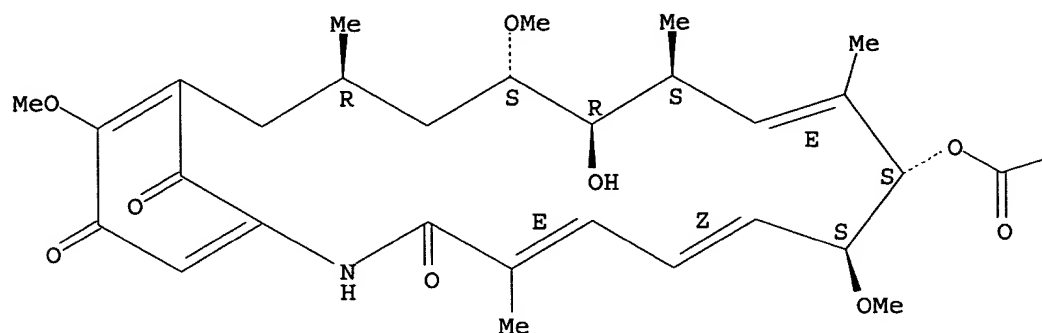


PAGE 1-B



IT 30562-34-6, Geldanamycin 103708-09-4 103708-10-7
103848-62-0 158018-81-6 185332-92-7
RL: RCT (Reactant); RACT (Reactant or reagent)
(water-sol. geldanamycin derivs. and methods for their prodn. and
cancer treatment)
RN 30562-34-6 CAPLUS
CN Geldanamycin (9CI) (CA INDEX NAME)

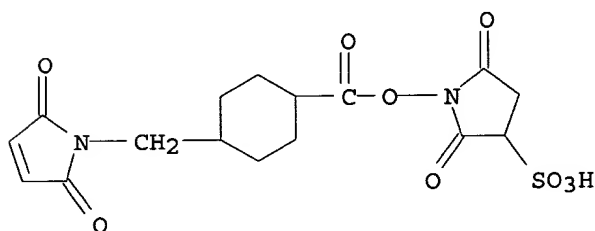
Absolute stereochemistry.
Double bond geometry as described by E or Z.



—NH₂

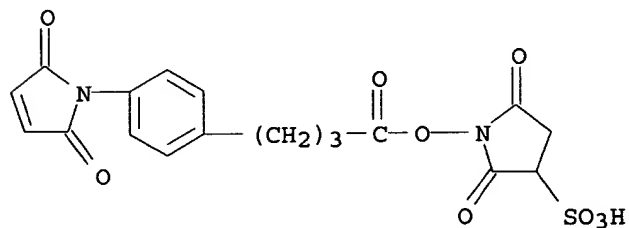
RN 103708-09-4 CAPLUS

CN 3-Pyrrolidinesulfonic acid, 1-[[[4-[(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)methyl]cyclohexyl]carbonyl]oxy]-2,5-dioxo- (9CI) (CA INDEX NAME)



RN 103708-10-7 CAPLUS

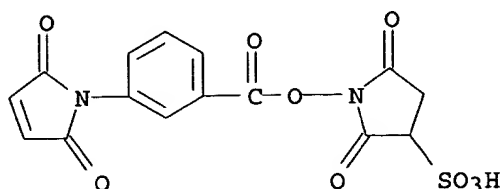
CN 3-Pyrrolidinesulfonic acid, 1-[4-[4-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)phenyl]-1-oxobutoxy]-2,5-dioxo- (9CI) (CA INDEX NAME)



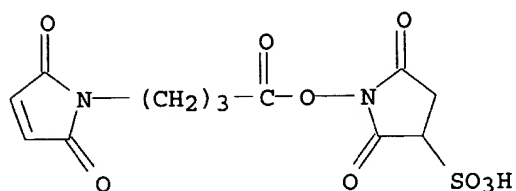
RN 103848-62-0 CAPLUS

CN 3-Pyrrolidinesulfonic acid, 1-[[[3-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)benzoyl]oxy]-2,5-dioxo- (9CI) (CA INDEX NAME)

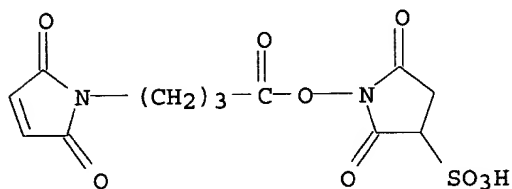
09/743,873



RN 158018-81-6 CAPLUS
CN 3-Pyrrolidinesulfonic acid,
1-[4-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)-1-oxobutoxy]-2,5-dioxo- (9CI) (CA INDEX NAME)



RN 185332-92-7 CAPLUS
CN 3-Pyrrolidinesulfonic acid,
1-[4-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)-1-oxobutoxy]-2,5-dioxo-, sodium salt (9CI) (CA INDEX NAME)



● Na

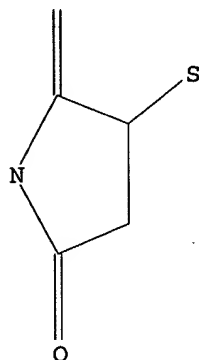
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L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
RN 30562-34-6 REGISTRY
CN Geldanamycin (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Azabicyclo[16.3.1]docosa-4,6,10,18,21-pentaene-3,20,22-trione,
9,13-dihydroxy-8,14,19-trimethoxy-4,10,12,16-tetramethyl-, 9-carbamate

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L3

STR



Structure attributes must be viewed using STN Express query preparation.

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FILE 'REGISTRY' ENTERED AT 18:47:55 ON 04 SEP 2002

L1 413 S GELDANAMYCIN?/CN

L2 1 S GELDANAMYCIN/CN

L3 STRUCTURE UPLOADED

L4 50 S L3

L5 3920 S L3 FULL

FILE 'CAPLUS' ENTERED AT 18:51:57 ON 04 SEP 2002

L6 211 S L2

L7 1284 S L5

L8 1 S L6 AND L7

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